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ILLINOIS. UNIVERSITY--
COMMITTEE TO STUDY
NEEDS FOR RECREATIONAL
FACILITIES ON THE UNI-
VERSITY OF ILLINOIS
CAMPUS

REPORT.

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REPORT OF THE
COMMITTEE TO STUDY NEEDS FOR RECREATIONAL FACILITIES
ON THE UNIVERSITY OF ILLINOIS CAMPUS
CHAMPAIGN-URBANA, ILLINOIS

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COMMITTEE TO STUDY NEEDS FOR RECREATIONAL FACILITIES
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CHAMPAIGN-URBANA, ILLINOIS

Assignment

The Committee's assignment is outlined in President Stoddard's letter of October 9, 1947:

"It is generally recognized, I am sure, that there is need for the expansion of existing recreational facilities for students and the development of new ones. The tremendous increase in enrollment has made it necessary to take over for housing some of the out-of-door areas and indoor facilities formerly used for recreation. Hence the recreational situation is much less adequate than it was before the war.

"Perhaps a good approach to the problem is a study by a faculty committee representative of various interests and fields of recreation, including arts and crafts, cultural activities (reading, lectures, museums, concerts, etc.), dramatics, music, social activities (dances, parties, mixers, etc.), and sports.

"I am, therefore, asking you to serve, with Director S. C. Staley as Chairman, as a committee to (1) make a survey of existing facilities and programs, and (2) make recommendations based on your findings.

"Since no major facilities requiring capital improvements in the University's physical plant can be added at the present time, the problem is largely one of long-range planning. I am hopeful, however, that some improvements can be made within our present financial and physical resources."

Approach

The Committee assumed that its assignment was intended to cover the Champaign-Urbana campus only; also, that its assignment should cover all University personnel. The latter is in line not only with modern industrial practice but developments occurring at other large educational institutions. The following table indicates the kinds and number of personnel involved:

University Personnel (1947-48)
(Note: All figures are fluctuating)

Undergraduate students	16,491
Graduate students	2,390
Professional students	510
High school students	250
Faculty (teachers, researchers, librarians)	2,599
Non-academic staff	2,248
Natural Resource surveys (staff, clerks, etc.)	300
	24,788

In keeping with standard professional practice, recreation was interpreted as including all of the following broad categories of leisure-time activity:

Arts and crafts
Country activities
Cultural (non-curricular educational) activities
Dramatics
Music activities
Social activities
Sports

The Committee held conferences with 36 individuals, representing 29 campus organizations, who were directly or indirectly interested in the problem of recreation.

These are listed below:

Faculty Representatives

C. M. Allen	University High School
John Boyer	Non-academic Personnel
D. A. Branigan	School of Music (music activities)
S. C. Branscomb	Library School (reading)
R. D. Brown	Allerton Park
Virginia Chamberlin	Women's Athletic Association (sports, women)
R. B. Downs	Library School (reading)
J. E. Ewers	Security Office
G. I. Wallace	Committee on Student Affairs
Arthur Hamilton	Foreign students
T. S. Hamilton	American Association of University Professors
L. A. Hellmer	Student Personnel Bureau
Virginia Horne	Terrapin Club (aquatics, women)
Margaret Mains	Orchesis (dance, women)
D. R. Mills	Intercollegiate Athletics (athletics, men)
R. Murphy	Department of Speech (debating)
Irene Pierson	Illini Union (social activities)
H. D. Price	Intramural and Recreational Sports (sports, men)
F. J. Roos	Department of Art (arts and crafts)
O. G. Schaffer	University Club
Wesley Swanson	Theatre Guild (dramatics)
L. J. Thomas	Country Sports
Leah Trelease	Dean of Women (one time)
F. H. Turner	Dean of Students

Student Representatives

P. W. Davey	Men's Independent Association
F. C. Ford	Student Senate
W. N. Herleman	Interfraternity Council
H. O. Hertenstein	Intramural and Recreational Sports (sports, men)
E. L. Ice	Illini Union (social recreation)
Betty A. Knight	Graduate Students
R. B. McCarthy	Intramural and Recreational Sports (sports, men)
F. T. Pacelli	Illini Theatre Guild (dramatics)
Mildred Phillips	Pan Hellenic Council
Jane Schoonmaker	Women's Athletic Association (sports, women)
G. J. Torhan	Veterans' organizations
Ruth Weimer	Women's Group Association

Several of the above faculty representatives were asked to provide the Committee with a written statement covering (a) programs conducted, (b) facilities used, and (c) facilities needed. These reports are presented in Appendix A.

The Committee made a survey of campus facilities now being used for recreational purposes. The report of this study is given in Appendix B.

Finally, the Committee made a survey of student recreation activities and interests. The findings of this study are shown in Appendix C.

Findings

It is generally agreed that the primary function of a university is education and further that, under existing conditions, the best way to serve this function is through the organization and conduct of formal courses. There is no denying the fact, however, that this formal program does not meet all of the students' educational needs. A well-organized program of recreational activities can contribute a great deal toward meeting these supplementary educational needs. There has been full substantiation of this point of view by such authorities as the Student Personnel Section of the American Council on Education. It follows that the University, to the end of strengthening and broadening its own basic function, should recognize the opportunities which exist in this area and provide the leadership and facilities essential to conducting a covering program.

While it is true that the University is providing some facilities for carrying on recreational programs, the fact remains that the amount and kinds of facilities available are inadequate to existing demands. This is evidenced by the fact that every individual who appeared before the Committee explicitly expressed this opinion. Furthermore, all who made written reports on special programs stated that while there was a pressing demand for expanding existing programs or introducing new programs, these demands could not be met because all existing facilities were now being used to capacity. (See Appendix A for details.) Finally, it is to be noted that the questionnaire study of student recreational interests shows a clear-cut desire for additional facilities. (See Appendix C for details.)

During recent years there has been a marked decline, both actually and relatively, in the amount of campus recreational facilities. This statement is supported by the following facts. In 1940 the University had a total personnel (student, faculty, non-academic, and other) of approximately 17,000. Today the number is approximately 24,800, an increase of nearly 50 per cent. During the intervening years the University has not only failed to provide any new recreation facilities, but, in fact, has committed a number of previously established facilities of this order to other uses. (The Old Gymnasium Annex, the Skating Rink, the Military Drill Field are cases at point.) Apart from this, the necessity for scheduling classes in the late afternoon has resulted in restricting the use of certain other facilities, which formerly had been used for this purpose. (The Lincoln Hall Theatre provides one illustration.) All told, there are substantial grounds for saying that the amount of recreational facilities available on the campus today is, relatively, less than half of what it was in 1940.

Past experience indicates clearly that if the University's personnel are to be provided with adequate recreational opportunities, the University itself must assume the major responsibility. This point of view seems inevitable because throughout the University's history the only outside agencies who have made any constructive contributions in this direction have been (a) the religious agencies serving the campus, (b) the sororities and fraternities, and (c) the University's affiliated clubs and organizations (honorary societies, etc.). The programs carried on by these organizations have been important and worth while, but, for obvious reasons, they have also been distinctly limited.

To complete the record it should be added that the recreational interests of University personnel have been served to some extent by local commercial firms through the provision of bowling alleys, billiard parlors, taverns and the like, but here again the services provided have been narrowly restricted. The corporate authorities for the local communities (Champaign and Urbana) have never exhibited any interest in this problem. As a matter of fact, they are disposed to look at the problem in reverse. The recreational needs of both communities have been neglected on the assumption that the University constitutes a major local recreational asset. It is to be assumed that these conditions will continue.

It is particularly noteworthy that, because of the University's location, those who are associated with the institution have only limited opportunities to participate in one of the larger and more desirable fields of recreational activity, namely, country sports. Located in the center of the prairie, the surrounding country neither attracts nor offers much in the way of hunting, fishing, camping, hiking, boating, bicycling, or sailing. There isn't a decent "swimming hole" within twenty miles of the campus. To make the situation even worse, the lack of sufficient snow and permanent ice eliminates any serious consideration of winter sports--skiing, snowshoeing, tobogganing, skating, ice boating, etc.

The local outdoor sports situation can be pointed up best perhaps by comparing the opportunities for participation offered in Champaign County with those offered in the neighborhood of the University of Wisconsin, University of Minnesota, Pennsylvania State College, Cornell, Dartmouth, or many other colleges and communities that might be mentioned. As a matter of fact, there are very few which offer so little. To meet the demand for this type of activity the University of Illinois is faced with the necessity of providing its own outdoor facilities.

One of the problems confronting University authorities is the constant threat of student delinquency and misconduct. Investigations have demonstrated repeatedly that, to a very great extent, this type of behavior is associated with leisure and, further, that one of the best ways to combat it is through providing opportunities for participation in wholesome leisure-time activities. This is admittedly a negative approach to the subject of recreation but, in view of the known relationship, it must be considered even on the University campus.

The University's overall program in recreation is handicapped by the fact that there is no centralized planning and no centralized authority. As matters stand at present there are a dozen or more agencies of many different types (student, faculty, departmental, etc.) each promoting one or more special recreation programs, and working independently. The net effect is that certain groups are accommodated, other groups are overlooked, certain types of activity are promoted, other types are neglected. Then, too, it is evident that there is considerable conflict and confusion in the scheduling of events and in the assignment of facilities.

Recommendations

In view of the findings presented above, and those contained in the appendices, the Committee recommends that the University:

1. Set up an organization to be called the University Recreation Council, charged with the responsibility of planning and supervising the University's total recreation program. The Council should be appointed annually by the President and should make annual reports to the President. Preferably, the Council should be comprised of representatives of agencies or groups actively interested in part or all of the total problem. Stated generally, the Council's functions would be to

formulate over-all recreation policies, coordinate the work of the several agencies conducting recreation programs, stimulate the development of neglected areas of activity, and maintain oversight over the total program.

In support of this proposal, attention is called to the fact that as matters stand at present the University's table of organization does not include a unit of this kind. It is true that the University sponsors a number of special organizations, such as, the Athletic Association, the Illini Union, etc., which sponsor particular programs; but, these organizations operate independently and carry on restricted programs. There is no assigned responsibility for considering the total program. The net effect of this loose organization is: (a) The recreational needs of the University are frequently overlooked at the upper levels of planning. (The practice of locating buildings on playing field sites without providing replacement fields illustrates the point.) (b) The recreational needs of the campus have been dealt with in a haphazard piece-meal fashion. All of which has contributed to the development of the current unbalanced, inadequate program. The present situation can be corrected only through the creation of an agency charged with the responsibility of planning and overseeing the total program.

2. Appoint a full-time Recreation Coordinator. This position should be set up in the office of the Dean of Students. To insure competence the appointee should have a background of professional training and experience in recreation. The Coordinator should be made an ex-officio member of the Recreation Council and should serve as secretary to the Council. His duties would be to maintain a working relationship with all agencies promoting recreational programs, serve as an intermediary in clearing conflicts and disputes between agencies, suggest ways and means for organizing programs for neglected groups, suggest ways and means for expanding neglected or under-developed activities, assist agencies in the development of programs, and carry out any other duties that may be assigned by the Council.

Special note is made of the fact that this officer could be particularly useful in fostering recreational programs for graduate students (2,400 in 1947-48, more in the future), who because of internal organizational conditions do not fit into the existing recreational pattern and thus are in greatest need.

3. As soon as practicable, return to their normal uses those recreation facilities which are now devoted to other uses. This includes the Old Gymnasium, the Skating Rink, and the Military Drill Field. The return of these facilities would materially alleviate the existing situation.

4. Provide additional recreation facilities as soon as practicable. All of the evidence presented to the Committee indicates that most existing facilities are crowded to capacity and, further, that there is a pressing need for additional facilities. In considering the question of what additional facilities should be provided, the Committee reviewed the findings of its several studies and then formulated a list of the more important items. The Committee is of the opinion that all of the items listed are worth while and desirable, but, assuming that all cannot be provided at once, has adopted the course of indicating priorities. (Numbers indicate priority rank. Order of listing has no significance.)

Arts and Crafts

1 Hobby work shop including rooms for		
wood working	lapidary work	photography
metal working	drawing	storage
leather working	painting	
ceramic work	sewing	
2 Dance studio		

Dramatics

- 1 Rehearsal areas (several)
- 1 Production crew workshop
- 2 Theater library
- 2 Storage room for stage equipment

Cultural and Educational

- la Circulating libraries in organized houses and dormitories
- la Circulating painting collections in organized houses and dormitories
- la Circulating classical recordings in organized houses and dormitories
- 1 Large auditorium
- 2 Outdoor theater

Music

- 1 Large band practice room
- 1 Small band practice room
- 1 Small auditorium for orchestra
- 1 Small orchestra practice room
- 1 Rehearsal rooms for instrumental ensemble and choral groups
- 1 Storage rooms for instruments
- 2 Opera work shop
- 2 Record listening rooms (several)
- 2 Instrument practice rooms (more)

Social Recreation

- 1 Small rooms for ballroom and square dancing
- 1 Lounge room in each major building on campus
 - (This facility should be included in all new buildings. Where it is practicable, it should be installed in all old buildings.)
- 1 Graduate student center--including bedrooms, lounge, library, billiard room, card room, large dining room, small dining rooms, bowling alleys.
- 1 Faculty center--including bedrooms, lounge, large dining room, small dining rooms, billiard room, card room, library, bowling alleys.

Country Activities

- la Near-campus picnic area
- Allerton Park development
- la Picnic grounds
- la Trails
- la Play fields
- 2 Outing lodge--including lounge, refectory, meeting room, play room, bedrooms, etc.
- 2 Cabins
- 2 Camp grounds
- 2 Nature museum

Sport

- la Outdoor handball courts
- la Playing fields (more)
- la Roller skating rink (in ice rink during off season)
- la Tennis courts (more)
- la Driving range
- la Miniature golf course
- 1 Handball courts (more)
- 1 Small gymnasium for basketball, badminton, volleyball, etc. (more)

Sport (continued)

- 1 Bowling alleys (more)
- 1 Table tennis room
- 2 Squash courts (more)
- ~~12~~ ~~2~~ Outdoor swimming pool

In this connection it seems desirable to call attention to the following:

- a. Items marked 1a are not excessively expensive and presumably could be provided in the immediate future.
- b. The greatest general need is for outdoor recreational facilities (play-fields, picnic grounds, tennis courts, etc.) The National Recreation Association recommends a standard for cities of 10 acres of outdoor play space for each 1,000 inhabitants. If the University adopted this standard, it would be necessary to provide a total of 250 acres for this purpose. Rough calculation shows that at the present moment the University is providing about 108 acres, or less than half of this amount. It will be noted that the University's personnel is comprised largely of young people who, without doubt, require more space of this type than would be required by the varied age groups of a typical city. In view of these facts, the University should acquire or assign additional outdoor space for this use.
- c. A large part of the indoor facilities mentioned above could be provided through the construction of the following buildings, most of which would also be used extensively for organized educational purposes. (Order of listing has no significance.)
 - (1) Union addition. This building might include any or all of the following facilities: lounges, several special dining rooms, a hobby shop, a table tennis room, several multi-service rooms (for dances, meetings, etc.), and bowling alleys.
 - (2) Large auditorium, plus auxilliary facilities. The auxilliary facilities might include a small theater, rehearsal areas, production crew workshop, opera workshop, dance studio, and a theater library.
 - (3) North wing on Huff Gymnasium. This building would include facilities for handball, squash rackets, basketball, volleyball, badminton, and other similar activities.
 - (4) Outdoor swimming pool. This facility would be useful for only four months in each year; but, it would be very useful during this period. It would be a great asset during the summer session.
 - (5) Band building. This building might include a large band practice room, small band practice rooms, several instrumental practice rooms, several record playing rooms, and other needed areas.
 - (6) Music building addition. This building might include a small auditorium for orchestra practice and chamber music and concerts, a small orchestra practice room, several small rehearsal rooms for ensemble and choral group practice, several instrumental practice rooms, and record listening rooms.

- (7) Woman's Gymnasium addition. The construction of this building would permit the relinquishment of space in Bevier Hall and, presumably, provide additional facilities for swimming, badminton, basketball, volleyball, dance, and other similar activities.
- (8) Outdoor theater. This facility could be constructed on the south campus at moderate cost. It would be very useful for concerts, dramatic productions, convocations, graduation exercises, meetings, etc. during the late spring and early fall of the regular school year and particularly useful during the summer session.
- (9) Outing lodge. This facility would be used weekends and on many other occasions throughout the year. It might include the following accommodations: lounge, refectory, meeting room, play room, and dormitories.
- (10) Graduate student center. A building of this type would be of great service to graduate students. It might include the following facilities: bedrooms, a large dining room, small dining rooms, a lounge, a billiard room, a card room, a library, and bowling alleys.
- (11) Faculty center. There is a pressing need for a center of this type. It might include a few bedrooms (for temporary guests), a lounge, a large dining room, small dining rooms, a billiard room, a card room, and a library.

5. Recognize the principle that certain departments are naturally adapted to promoting recreation programs and provide these departments with funds (or more adequate funds) for the employment of staff members (or more staff members) for servicing such programs. The following departments are particularly well adapted to providing these services: Art (arts and crafts), Music (voice and instrument), Physical Education for Women (sports and dance), Speech (debating and dramatics).

6. In planning the development of recreational facilities, give consideration to the question of distributing such facilities in several localized areas in contrast to concentrating them in one central area. As expressions of this proposal, it is recommended that:

- (a) All future residence halls and similar structures be planned in terms of providing adequate recreational facilities. This planning should include both indoor facilities (lounges, libraries, play rooms, etc.) and outdoor facilities (adjacent playing fields).
- (b) A social recreational facility be constructed on the south campus. This need stems from the fact that the south campus is not only, now, the center of a large student population but promises to have a larger population in the future.

It will be noted that at the present time the area is bordered by living quarters for several thousand students--three women's residence halls, one men's residence hall, Newman Hall, many sororities and many fraternities--with the prospect of more in the future. Also, that it includes several large educational units--Agriculture, Commerce, and Fine Arts--with the prospect of more in the future.

The accommodations included in this facility would have to be decided in terms of those included in the existing Union Building and the proposed addition to this building. It might include some or all of the following: coffee shop, snack bar, hobby shop (which would require several rooms), small multi-service rooms (for dances, meetings, etc.), lounges, browsing room, table tennis room, and bowling alleys.

R. G. Bone
D. A. Branigan
V. L. Kretschmer
L. J. Norton
W. J. Putnam
F. J. Roos
Miriam A. Shelden
R. N. Sullivan
Wesley Swanson
L. J. Thomas
S. C. Staley, Chr.

December 1, 1948

APPENDIX A

Reports made by individuals representing
special groups regarding recreational
programs, facilities used, and facili-
ties needed

ARTS AND CRAFTS

Frank J. Roos

I. Previous Facilities

- A. Helen Eades of Home Economics Department for three years starting about 1940 organized a craft class using her own tools for her friends and faculty wives.
- B. No other arts and crafts available.

II. Present Facilities

- A. Veterans wives have a well equipped room in the City Building, Champaign. Available to all wives of veterans in the Twin Cities.
- B. The new nursery school (frame building opposite the Architecture Building) will be available to all veterans in the evenings after daily nursery school sessions. It will be well equipped.
- C. The Studio Group, made up of faculty wives and town women, was organized primarily for painting purposes. Membership is about twenty.

III. Future Facilities

- A. Until further money and space is available:

1. The craft room in the C.E.S.B. might be made available to faculty and wives under definite supervision as tools are already inadequate and they have to be used for daily class room work. Supervisor should be paid.

Suggest that the maximum time allowed per individual be one evening a week and because of inadequate space (12 per evening) and tools, people not really interested and who do not appear at specified time be dropped in favor of those who are really interested.

- B. With increased money and space:

1. More craft room will be available if and when the projected Fine Arts Building is realized. More and larger classes will be possible, day and night.

2. Suggest further that a craft room or group of craft rooms be made available for exclusive (?) use of faculty members and wives. Hand and machine tools will have to be purchased in the open market.

- a. The Union would be an excellent place because of centralized location on campus.

- b. That a full time instructor be made available for the situation.

DEBATING

Richard Murphy

PART I -- Present Program

The Speech Department, as a departmental project, sponsors Mens and Womens Debate. In the course of a year, about fifteen women and twenty-five men fully participate in the study and speaking program. The program continues through the two regular terms.

The squad members work rather intensively. Their regimen consists of weekly squad meetings, reading and study, practice, conference, appearances before audiences and radio, travel to events. Any student interested in discussing current problems can put to use all the time he may have available.

Some of the debates are held at other schools, or before high schools and clubs in the region. There are available for campus residents the following events:

- A. Intercollegiate debates and forums -- about a half dozen a term. Attendance varies from the phenomenal 1700 at the Oxford debate this fall to fifty or sixty.
- B. Squad debates and forums -- held weekly. A half dozen or so non-members usually drift in.
- C. Intercollegiate conferences on a current problem. Last term the Western Conference schools met for a two-day conference on labor legislation, and a conference of Illinois schools was held later on the same question. One conference a term.
- D. Parliamentary institutes. Three evening sessions for persons interested in learning about and in practicing parliamentary procedure. Held each term.

The program is directed by three members of the Speech Department, Mrs. Ruby Wispe, Mr. Howard Shuman, and the undersigned.

Some years ago there was a series of inter-fraternity and inter-house debates held annually. These ended some time before the war and they have not been revived.

PART II -- Plans and Suggestions

The Debaters hope to increase the interest of their program, and to attract more people to events. With an expanded program, more people can be drawn into active participation. But at best, probably not more than fifty or sixty people would be engaged as participants. But more can be done to provide discussion and forum meetings for interested students.

The debaters need very badly a room where selected materials may be made available, and where discussion programs may be held. Such a room would contain copies of the current radio discussion programs, the Congressional Record, books and pamphlets on questions being debated, background materials for the current controversial scene. Ideally, such a room should be pleasant, with lounging chairs, and smoking permitted. It might well be a place where anyone interested in meeting and in arguing with others could come during odd hours of the day and evening.

Probably a more systematic forum and discussion program is needed on the campus. There is no dearth of lectures -- of places to go to hear someone talk or show exhibits and pictures. Students are lectured at and given long reading lists, but they have some ideas of their own and some notions of what is worth reading. They need opportunity to assemble in non-partisan, nonprofessorial atmosphere, and to discuss and argue, and help educate themselves. The Town Meeting is growing and may eventually serve as a student-faculty forum. Something like the Oxford Union, adapted to local conditions, might give hundreds of students an incentive and opportunity to assemble regularly for intellectual recreation supplied by themselves.

RECREATIONAL READING FACILITIES

THE UNIVERSITY LIBRARY

Lewis C. Branscomb

EXISTING FACILITIES

General Library Browsing Room

111 Library

2400 volumes

Open Mon.-Fri. 9-6, 7-10; Sat. 9-6

16 seating capacity

Books circulate for 2 weeks

Provides recreational and general reading and offers readers' advisory service to students

Contains several newspapers and current magazines

Circulates about 20,000 books annually

Served 35,000 readers last year

Illini Union Browsing Room

135 Illini Union

1500 volumes

Open Mon.-Sat. 10-10; Sun. 2-10

33 seating capacity

Books do not circulate out of building

Provides recreational and general reading and readers' advisory service

Served 66,000 readers last year

Freshman Reading Room

104 Library

1000 volumes

Open Mon.-Fri. 9-12, 1-6, 7-10; Sat. 9-12, 1-6

8 seating capacity

Books circulate for one week

Service aimed primarily at freshman rhetoric needs, but collection of fiction and general reading open to all students on campus

Circulates about 22,000 volumes annually

North Reserve Book Room

100 Library

The open shelf collection of some 5,000 volumes is used largely in connection with undergraduate courses. There are, however, about 500 volumes of fiction and general reading available for reading in the room or for one week's loan.

Revolving Recreational Reading Collection

300 volumes of recreational and general reading revolve annually among the five libraries at Law, Music, Architecture, Natural History and Home Management House. The collection provides recreational reading in these departmental libraries where the students work.

1000 *Chemical Reviews*

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1. *Leucosia* *leucosia* (L.) *leucosia* (L.) *leucosia* (L.)

and the number of different species of birds in the area. The number of birds in the area will be determined by the number of species present and the number of individuals of each species.

POSSIBLE EXPANSION

In 1946 the Library submitted a plan of dormitory libraries to the Supervisor of Counseling for Residence Halls at the latter's suggestion. This plan called for the setting up of recreational reading collections in virtually all men's and women's dormitories in cooperation with the Supervisor and the students involved. To date the proposed plan has not been acted upon.

Along the same lines it is suggested that all dormitories planned for the future should provide appropriate facilities for housing libraries of reference and recreational collections.

was not independently confirmed. The study of Andamanese reported and Singh et al. (1973) provided and the authors would like to acknowledge the encouragement of the anonymous reviewers for the present note. The Indian tribe also has a very large and diverse range of knowledge of plants. There has been little attention paid to the use of plants among the tribes and their knowledge is often under-

used and usually unexploited. The great importance of the forest and its health to the Indian tribes can be utilized to stimulate voluntary efforts to study and utilize their knowledge. But

DRAMATICS

(The Illini Theatre Guild)

Wesley Swanson

PART I

PROGRAMS NOW IN OPERATION

Recreational aspects of Illini Theatre Guild work are:

- (a) recreation for its audiences
- (b) recreation for its participants.

The Guild has two principal divisions as far as public production of plays is concerned:

- (a) the season productions (to which admission is charged)
- (b) the Laboratory Theatre productions (to which admission is free).

No detailed mention can be made here of the educational and artistic aspects of the Guild's work. The cultural and educative values of theatre going and theatre doing cannot be indicated by the statistics which follow. It must be realized also that what is an avocation for some participants is a vocational project for other students. But recreation from theatre work comes to both groups:

The Guild is a part of a large non-commercial theatre movement, nationwide in scope, reaching into thousands of American communities, closely allied to many organized recreational programs of many park districts, camps, clubs and organizations, an integral part of the curricular and extra-curricular pattern of every American school, a movement which has considerable organization, unity of purpose and concert of effort. In many of its aspects the work of the Guild must be considered in relationship to this larger picture particularly in --

- (a) furnishing practice for students who will be recreational leaders and specialists after they leave the University.
- (b) developing skills for students who will affiliate with community theatre programs in the various communities in which they will establish themselves after graduation.
- (c) through the training of audiences helping to build wiser and more enthusiastic audiences and supporters for what is good in theatre.
- (d) satisfying immediate needs of audiences and participants on our own campus.
- (e) giving early training to students who later will become professional performers and directors for the commercial and non-commercial theatre (thereby contributing eventually to the recreation of many other persons).

RECREATION FOR LOCAL AUDIENCES:

Number of Guild productions last season: 16 (In addition the Guild sponsored a public lecture and showing of six performances of the motion picture, Henry V.)

Total performances: 48

(There is scarcely a week of the school year when there is not some production, Guild or otherwise, in performance).

Total attendance (of the productions to which admission was charged, but not including Henry V.) - 17,272.

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CONTINUATION OF THE STREAM

ACROSS THE RIVER CHANNEL WHICH WAS AN UNDEVELOPED CHANNEL WHICH WAS NOT RIVERISED
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BUT NOT BOTH (0) RIVER CHANNELS CAN BE DEVELOPED OR NOT RIVERISED (0))

Total attendance (of Laboratory Theatre productions) - approximately 5,000.

RECREATION FOR PARTICIPANTS:

Number of undergraduates participating (not including summer) - 896.

Distribution of Participants by Colleges and Schools:

Agriculture	33
Commerce	65
DSS	37
Education	3
Engineering	40
F.A.A.	80
Journalism	17
L.A.S.	611
Physical Education	10

Scope of Guild Participation: Opportunity for many and diverse kinds of recreational participation is available. When necessary, "on the job" instruction is given by a member of the professional staff, a student manager or crew head. The Guild is a "learning" activity. The attached bulletin, "You and the Illini Theatre Guild" (which is given to all new Guild workers) explains the kinds of work done and how it is organized.

It should be noted that participation is open to all undergraduates. It is in no way confined to Theatre or Speech students. The work of the Guild is controlled by an executive and legislative board which has both student and faculty representation. The Guild is organized on a managerial structure which insures continuity of work in progress and gives opportunity for students to acquire experience in assuming executive responsibilities. This season the Guild has 13 Senior managers, 20 associate managers and 46 assistant managers. The Guild has a professional staff of seven directors and technicians and a full time secretary.

FACILITIES USED:

The work of the Guild centers in Lincoln Hall Theatre. Use is also made of Gregory Hall Theatre. Rehearsals are conducted in odd corners.

PART TWO

DESIRED EXPANSIONS

1. At least two new theatre buildings.
2. Adequate and properly equipped shop areas for the "craft" activities of the Guild (scenery and costume construction, etc.). At the present, our facilities for shop are pitifully inadequate.
3. Sufficient rehearsal area (despite the fact that our production program in the last ten years has trebled, we have lost a large amount of our former rehearsal facilities).
4. Office space for members of the professional staff and student managers.
5. Physical improvements and modernizations in the existing theatres.
6. A theatre library, museum and exhibit space.
7. Social areas connected with the theatres (with simple food service facilities). Highly important from the standpoint of recreation.

8. Increased number of productions and number of performances per production.
9. Increased opportunities for students directors and technical directors.
10. Development of a "children's theatre" (important from the standpoint of giving practical experience to future recreation leaders as well as to the recreation of children of faculty and students).
11. Development of student playwrights.
12. Development of a "tryout theatre" to encourage unskilled and untried talent.
13. Development of "touring companies" which would bring good plays into the various high schools and communities of the State.
14. Development of student experiments in motion pictures and television.
15. Development of closer relationships between theatre and music and between theatre and dance.
16. Intensification of our work in body training for actors.
17. Opportunities for participation by graduate students.
18. Increased professional staff.
19. Development of a lecture series on theatre subjects.
20. Development of a program of touring professional productions.

In this survey no mention has been made of the valuable work of a theatrical nature done on our campus by organizations other than the Guild, since such projects are more or less infrequent. This includes such programs as the various stunt shows, language club plays, etc. In addition, the Faculty Players Club furnishes with its three productions yearly considerable recreation for its faculty participants and, of course, additional theatrical entertainment for our campus audiences.

MUSIC

Duane A. Branigan

PART I

Numerous activities sponsored and maintained by the School of Music furnish recreation to students and faculty of the University. Whereas most musical participation does require some ability and training, there are areas in which everyone interested can find recreational opportunities.

ACTIVITY	MEETINGS	SEASON	NO.	FACILITIES	ELIGIBILITY
A. Orchestras Reputory	Tu. 4-5:30	both semesters	45	SMH	Ability to play and read moderately difficult music.
Concert	M 7:00 Th. 4:00	both semesters sum. semester	80	SMH	Musical ability and facility.
Sinfonietta	W. 11:00	both semesters	26	SMH	Outstanding performers.
B. Bands 1st Reg.	4:00 T,F,	both semesters	100	B Bldg.	Feeder for Concert Band.
2nd Reg.	MWF 1:00 MWF 2:00	both semesters	90	B Bldg.	Fresh. and Soph. taking military band.
Concert	M, Th. 4:00	both semesters sum. semester	120	B Bldg.	Top instrumentalists.
C. University Chorus	Thu. 7:00 M 11:00	both semesters	125	SMH	Fair natural voice some reading ability.
D. Men's Glee Clubs:					
Freshmen (University (Glee Club	T,Th.11:00 T,Th. 10:00	both semesters both semesters	50 85	SMH SMH	Feeder. Previous singing experience in choral groups.
E. (A Capella (Choir	TT 2:00	both semesters	65		Students and towns-people especially interested in this type of music.

In addition to the formal and scheduled activities as listed above there are:

1. Singing and instrumental ensemble groups.
2. Records and Record Rooms available to music appreciation students, and for those wanting to listen to music
3. Numerous recitals and lectures each week complimentary to the general public.
4. The School of Music and the Theatre Guild join forces to give at least one opera performance each year.
5. Additional musical recreation is made available through positions on the staff of The Concert and Entertainment Board.

and finally would default on outstanding obligations, but Detroit will not be liable for
any loss of funds accumulated but unpaid, or
any other amounts due, including interest on amounts unpaid from time derived, or
any costs of removal of ground-
water, removal, and/or remediation costs when remedial measures are not
yet fully in place, or until such time as the City of Detroit and/or
any other entity or entity acting on behalf of the City of Detroit, or any
other entity or entity acting on behalf of the City of Detroit, or any

Part II

Expansion in almost every one of the Music Activities is anticipated when more room is made available. At present the work of each organization is seriously impeded because of lack of rehearsal space. In Smith Music Hall there is only one large hall and in it we have to do all rehearsing of large groups, teach all major organ students, and hold all public lectures and recitals. This room is also used for important University Functions.

When space and faculty are available the School of Music would like to introduce the following in the way of recreational opportunities:

1. Music group meetings of Jazz enthusiasts, Folk Song Singers, etc.
2. Composing seminars under School of Music faculty supervision.
3. Chamber Music Society.
4. Opera Workshop.
5. More instruction for non-music students.
6. Establish and develop a choral department in The School of Music which will reach all interested students, faculty, staff and townspeople. With our present enrollment and population we should have six or seven large choral units under expert leadership.

to many with small organizations to maintain, though still the case with smaller and less
expensive insurance companies. In addition, there is a large number of smaller companies
and firms that need to have their own insurance companies. This is because the large
insurance companies have the ability to spread the risk over a large number of
individuals and firms while smaller companies have the ability to spread the risk over a
smaller number of individuals and firms.

Small companies are also able to provide better service and information than larger companies
because they are more likely to have a personal relationship with their clients. This is because the large companies
have a large number of clients and it is difficult for them to provide individualized service to each client.

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December 5, 1947

Professor Staley
108 Huff Gym

Dear Professor Staley:

I am enclosing a report of Illini Union programs and recreational facilities including programs now in operation and desired expansions and developments.

I would like to add the following general student needs not included in the report.

1. Informal type of recreation, low priced, not requiring a date in advance.
2. More programs including instruction so as to serve as a supplement to the academic education. Interest more faculty members in helping students to develop the social phase of education. At present the following programs are planned under the direction of faculty members: Classical music hours, square and social dancing, pep rallies and block I, town meetings, browsing room, chess club, bridge club, guide and travel, Variety show, and Homecoming Stunt Show.
3. Some form of subsidization of recreation programs by University in case of unavoidable losses. At present Illini Union Student Activities are financed entirely by income from programs for which students pay admission fee.
4. Place on or near campus for informal picnics and hikes. Storage space for picnic equipment kits.
5. 2200 seating capacity auditorium insufficient. Prohibitive Huff Gym Physical Plant expense makes it impossible to supply requests for additional community song fests and similar programs. All students have free hours at different times, and do not like to plan all leisure time by the clock.

Due to the variety of programs sponsored by the Union, the reports may be difficult to interpret. However, I tried to give you a complete picture as since I have been in the work I wondered why some scientific effort was not being made to improve the situation. It is gratifying to know that a study is being made.

If I can be of any further assistance to you, please feel free to call me.

Sincerely yours,

Irene D. Pierson
Social Director

IDP:meg

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Conclusions can therefore be drawn from the results of the present study that the postoperative length of the anterior segment of the eye is not significantly influenced by the type of surgery.

and the right to do so. It is not unconstitutional, and there is no such thing as a constitutional right to do what you want to do, and you can't do what you want to do just because you think it's a good idea.

It is important to remember that the *in vitro* test is not a test of the *in vivo* situation, but it is a test of the *in vitro* situation. The *in vitro* test is not a test of the *in vivo* situation, but it is a test of the *in vitro* situation.

and the following is a summary of the present status of the
formaldehyde industry in Japan. It also compares and contrasts
the present status with that of the United States. A few notes on
the Japanese formaldehyde industry are also included.

and you may be interested to know that we are now in a position to offer this as and
we are also in a position to offer it to you at a discount of approximately
10% off the current price. I have also arranged for you to receive 10% off the price of
any other products we offer. This is a great deal of value to you.

1960-61: 1961-62: 1962-63: 1963-64:

STUDY OF RECREATION NEEDS - 1947 - 1948

PART I
Programs now in operation

*I U - Illini Union

Activities Conducted	Frequency of meeting	Length of Season	Number of Students Program Planners	Attendance	Facilities	
					Activity Booklet	daily
Ad writing	daily	yearly	3			
Art (posters)	daily	yearly	9			I U
Block I	before each game	football season	6	1100 each game	Stadium	
Cheerleaders	at football & basketball games	during season	8			Stadium & Huff Gym
Classical Music Hours	daily	yearly	31	34,017	General Lounge, I U	
Club Commons	weekly	2 semesters	25	3391		I U Commons
Coffee Hours	weekly	yearly	18	4560		I U
Dad's Day	daily	2 months previous to event	31	entire campus		Huff Gym, Aud., I U
Dancing Classes	weekly	school year	10			Stadium
Football Movies	5 showings	football season	6	8112		Aud. & Gregory Hall
Friday Night Mixers	weekly	2 semesters	29	8037		I U Ballroom

Species	Common Name	Habitat	Range	Population		Conservation Status
				Number	Percentage	
<i>Uroplatus fimbriatus</i>	Brooks' Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus horridus</i>	Spiny Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus lineatus</i>	Spiny Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus sikorae</i>	Sikorae's Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus fimbriatus</i>	Brooks' Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus horridus</i>	Spiny Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus lineatus</i>	Spiny Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern
<i>Uroplatus sikorae</i>	Sikorae's Ground Iguana	Forest floor	Madagascar	1000	100%	Least Concern

PART I

Programs now in operation

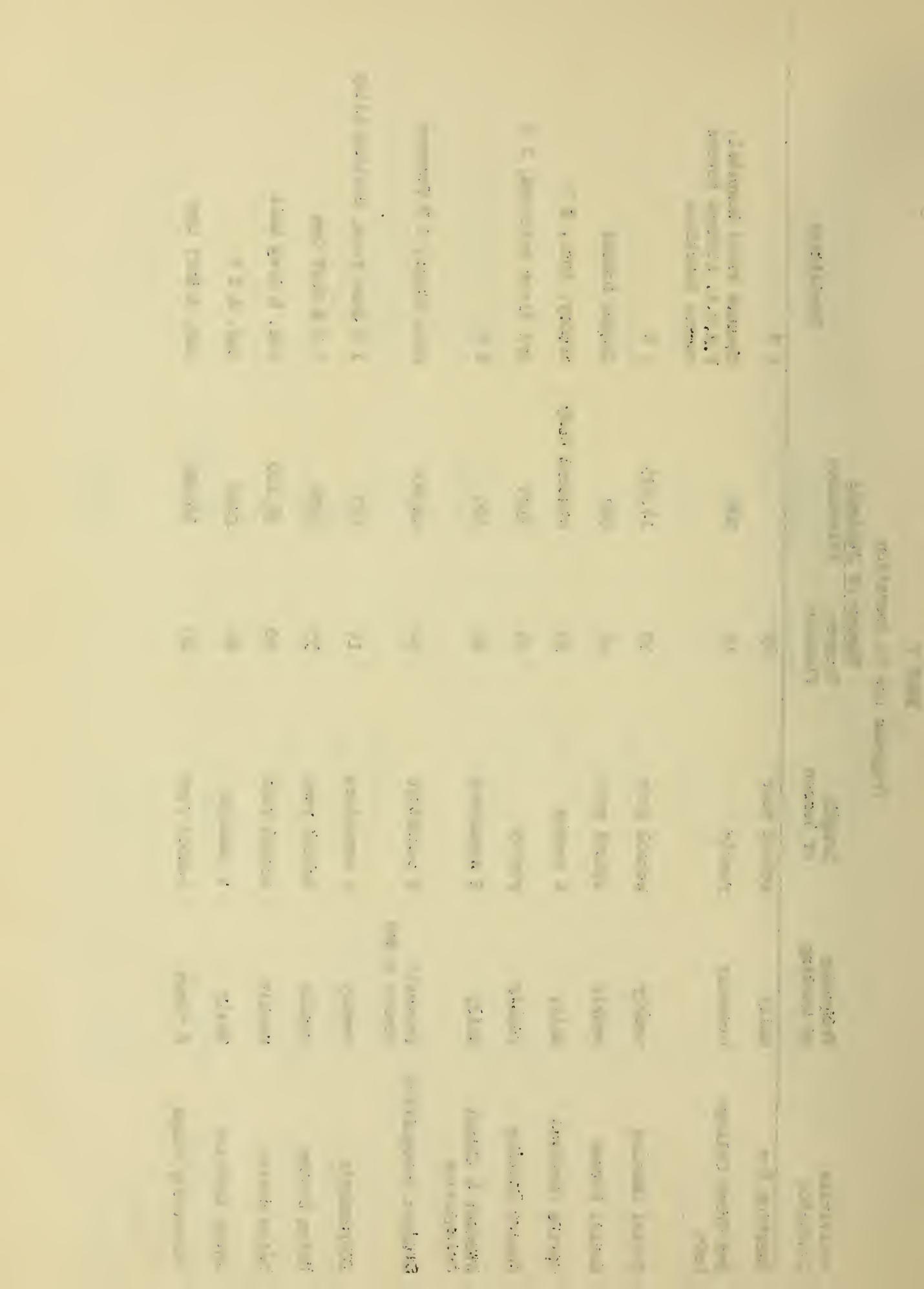
Activities Conducted	Frequency of meeting	Length of Season	Number of Students		Facilities
			Program Planners	Attendance	
Guide & Travel	upon call	yearly	11	1465	Campus spots
Homecoming	daily	5 months	75	21,445	Aud., Huff Gym, I U
Illini Town Meetings	bimonthly	2 semesters	12	675	Faculty Lounge, I U Gregory Hall
Illio Service	daily	1st semester	3		I U & Illio office
Matinee Dances	weekly	school year	15	2164	I U Commons
Mother's Day	daily	2 months	53		Aud., Huff Gym, I U Streets for parade
Office Management	daily	yearly	33		Student Activity Office
Open Houses	4 times a year	2 semesters	23	15,126	Huff Gym & I U
Outing Club	4 times a year	school year		328	
Popular Music Hours	weekly	school year	15	4978	I U
Publicity First Council Announcements	weekly	school year	3		all houses presidents
Newspaper	daily	yearly		6	I U & Daily Illini
Stunts	daily	yearly	4		entire campus

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PART I

Programs now in operation

Activities Conducted	Frequency of meeting	Length of Season	Number of Students	Program Attendance	
				Planners	Facilities
Question Box	daily	school year	29	I U	
Red Cross College Unit	biweekly	yearly	15	980	Chanute Field Hospital, Y.M.C.A. student houses campus functions
Social Dancing	weekly	school year	10	14,335	I U
Social Forums	weekly	school year	16	682	Campus houses
Spring Carnival	daily	4 months	33	student body	Armory, Aud., I U
Square Dancing	weekly	yearly	14	3105	3rd floor ballroom, I U
Student & Alumni Orientation	daily	2 semesters	40	400	I U
Student Recognition	football season & May	2 semesters	30	22,000	Aud. Steps, I U Terrace
Tournaments	weekly	2 semesters	14	187	I U Game room, Bowling Alley
Union Dances	weekly	school year	55	9374	I U & Huff Gym
Union Movies	weekly	school year	10	36,100	Aud. & Greg Hall
Union Varities	daily	1 semester	80	2248	Aud. & I U
University Sings	6 times	school year	20	18,020	Aud. & Huff Gym



GENERAL RECREATION FACILITY NEEDS

PART II

Desired Expansions

Existing Programs	Facilities now used	Desired Expansions	Alteration Facilities needed
Block I	Huff Gym & Stadium		Place to paint beards, storage space for caps, capes, and cards
Classical Music Hours	General Lounge, I U		Larger room needed. Cannot accomodate all students interested in programs. Need for small listening rooms where students may check out records and play own selection in preference to one selected by a committee.
Matinee Dances	Union Commons		Time for use is very limited. Program now scheduled at exact time. Small space should be made available for students to use for dancing at any time.
Popular Music Hours			Room to plan programs and store records.
Social Dancing	314 Illini Union Bevier Hall		Need for more classes and more instructors. Demand cannot be met.
Square Dances	314 Illini Union		Larger room needed. Filled to capacity, need for separate sessions for staff and students.
Stunt and Variety Show.	Student written and directed. Students design scenery and make costumes.	322 storeroom, now permanent office.	Room for constructing scenery, sewing costumes, and small group rehearsals.

PART II
Desired Expansions

Existing Programs	Facilities now used	Alteration Facilities needed
Union Movies Football Movies	Gregory Hall & Auditorium	Newsreels for noon hours and other scheduled hours. Greg Hall not available many times when needed.
Union Dances	Huff Gym and I U Ballroom	Facilities for larger crowds with feed or coke concessions handy.
University Sings	Huff Gym and Auditorium	Present facilities to be more available. Special Sings for visiting Dad's and Mother's. Students voted community singing number one program in popularity.

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VARSITY SPORTS

Douglas R. Mills

Part I. Programs Now in Operation

<u>SPORT</u>	<u>WEEKLY PRACTICE</u>	<u>LENGTH OF SEASON</u>	<u>NO. PARTICIPATING</u>	<u>FACILITIES</u>
Football	2 hrs. daily - 3 mos.	2 mos.	Fr.-250; Vars.-100; 150#/150	NW corner Stadium, East side Stadium, SW corner Stadium.
Basketball	2 hrs. daily - 5 mos.	3 mos.	Fr.-250; Vars.-75	100 Huff Gym
Baseball	3 hrs. daily - 3 mos.	1½ mos.	Fr.-150; Vars.-100	SE corner Huff Gym field, Illinois Field, Armory.
Track (Indoor and Outdoor)	2 hrs. daily - 7 mos.	5 mos.	Fr.-65; Vars.-85	Armory, Stadium.
Golf	3 hrs. daily - 2 mos.	1½ mos.	Fr.-50; Vars.-60	Champaign Country Club
Tennis	2 hrs. daily - 2 mos.	1½ mos.	Fr.-45; Vars.-20	Clay courts north of Old Gym.
Fencing	2 hrs. daily - 5 mos.	1½ mos.	Fr.-15; Vars.-20	Old Gym.
Wrestling	2 hrs. daily - 3 mos.	2 mos.	Fr.-60; Vars.-30	Old Gym.
Gymnastics	2½ hrs. daily - 5 mos.	1½ mos.	Fr.-30; Vars.-20	Old Gym.
Swimming	2 hrs. daily - 3½ mos.	1½ mos.	Fr.-20; Vars.-35	Huff Gym Pool.
Cross Country	2 hrs. daily - 2 mos.	1 mo.	Fr.-5; Vars.-14	Urbana Country Club

PART II -- Desired Expansions or New Developments

There is no question of development as no new programs are contemplated with the exception of varsity Hockey when the Ice Rink is again available.

In all of these varsity sports, the crowded conditions make it impossible to have large squads out for practice, and with the exception of football, the coaches are curtailing and cutting their squads to a bare minimum because of a lack of practice space.

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RECREATIONAL AND INTRAMURAL SPORTS

Hartley D. Price

I. Introduction.

When considering intramural and recreational need it is necessary to consider problems involved and the students to be accommodated in order to get an overall picture. For intramurals alone the comparison of entries as shown in the Handbook will reveal to some extent the present scope of the IM program. Despite the fact that 6,558 individuals played on 499 teams, and 4,645 participated in individual sports for a grand total of 11,203 participants, it must be realized that many of these individuals repeated several times in the various sports. Even at that, many additional sports are not even scheduled due to the lack of facilities. Furthermore, the IM program is participated in predominantly by members of Greek organizations, which is the minority group on the campus. With facilities being strained even for their use, how will it be possible to offer the healthful benefits of recreational sports to the entire campus? This year a judicious use is being made of all facilities for intramurals, despite the fact that a curtailed IM program is being presented. It must be emphasized that intramurals take care of only a small portion of the students.

Of equal importance is the fact that informal recreational and co-recreational programs are practically non-existent. One of the most dominant of all American characteristics is that of a love for good clean sport. The University of Illinois is one of the most progressive educational institutions in the United States; yet, the lack of recreational activities forces many students to find an outlet for academic strain in beer halls and dives. What an asset it would be to afford students adequate co-recreational facilities for swimming, badminton, ping pong, and other sports. What a boon to good fellowship and good living it would be to arrange for pick-up games of basketball and volleyball for groups of students. It doesn't seem logical that adequate educational facilities and activity positions alone make for a well-rounded student.

For the sake of giving student men and women a place to have good, clean fun and for the sake of promoting a better University of Illinois, it is hoped that provisions will be made for wider student participation in recreational sports. A "sports-for-all" program cannot be denied.

II. Existing Conditions at Illinois.

A. The war and additional housing plans have practically abolished all facilities on campus.

1. Eight basketball courts at the Stadium were taken down to make room for housing.
2. Ice skating used to be carried on, but this too has been pushed aside.
3. There used to be volleyball courts in the Gym Annex, but these have given way to additional housing.
4. Eight or ten softball diamonds were taken away to be used for building the Parade Ground Unit. (Football fields, too.)

B. The extent of the facilities we have left.

1. The third floor gym, generally used for basketball, is available only when classes are not in session.

- a. Many times this necessitates long waiting before you can get the court.

These findings suggest that the human T cell lymphotropic virus type I infection and non-Hodgkin's lymphoma are associated with a significant increase in the risk of developing non-Hodgkin's lymphoma, and the relative risk is about 2.5 times of that of non-Hodgkin's lymphoma in the general population.

the initial stage of infection and with a few individuals having a history of respiratory tract disease.

and of each other some months will be given. It is to be hoped that all
the time, money and trouble will be spared in the preparation of the
books and that the whole will be a success. The author will be
very anxious to have the books well printed and bound.

and the author's block will be removed.

Figure 11. Differences in total nitrogen and total sulfur content of the soil at the time of the first and second sampling.

2. Due to physical education classes and swimming practices, the pools are open, for the most part, only at night.
 - a. Poor dressing facilities for women.
3. The only place to play badminton and volleyball is the Old Gym, where there is only room for two courts.
 - a. Courts can be set up in Huff Gym only occasionally.
4. Lack of facilities cut out IM softball completely this fall.
 - a. It has also forced double elimination in football, whereas round robin play is more desirable.
5. Illinois has about half as many tennis courts as before the war, but the student body has increased greatly.
6. Co-recreational activities are practically nil at Illinois.
 - a. Attempts are being made to have more co-recreational swimming; there are only two pools available.
 - b. It is impossible to play handball, badminton, or volleyball on a co-recreational basis at Illinois; yet, this is done at a great many other colleges.
 - c. A program is now under way to provide for co-recreation, but this cannot be expanded very greatly because of lack of buildings and facilities.

C. The medical aspect of intramurals leaves much to be desired.

1. Medical examinations should be given by the University to all intramural participants.
 - a. There are not enough University doctors to do this job.
 - b. All the students have to get their own examinations as best they can, which is expensive.
 1. Many times these so-called examinations consist merely of the doctor's signing a piece of paper without any real examination being made.

III. Future Plans for Intramural and Recreational Facilities.

A. A new athletic field house is being planned by the University.

1. Care should be taken that it is not used primarily to accommodate about ten basketball games a year and the state tournament, but to provide for the enjoyment of 19,000 students.
 - a. These students will be using the gym every day.
 - b. This field house, if it is for the University, should provide adequate facilities to meet recreational needs of students.

of the first 1000000 that are up for on the street is
1000000 with you, and there is an additional 1000000
there, and 1000000 of which there's only 1000000
of which there are 1000000 of which there's

B. Short-sightedness has been a problem in the past.

1. Huff Gym was built for varsity competition with little reference to intramurals.
2. After the gym had been completed, a basement had to be put in, providing handball courts.
 - a. Because of this, the ceilings had to be made a foot lower than regulation.
3. Every precaution should be taken to avoid these mistakes with the construction of new athletic buildings.

IV. Comparison with other Schools.

A. The University of Illinois is ranked as having one of the best intramural programs in the nation, yet its facilities are far less adequate than those in most other schools.

1. Michigan and Yale have separate intramural buildings.
 - a. Illinois has only two gyms that can be used only at certain times.
2. Ohio State has 14 touch football fields alone.
 - a. Illinois has 5 fields for both softball and football combined.
3. Ohio State also has a budget of \$28,000 for intramurals.
 - a. Illinois is dependent entirely on the Athletic Association for its maintenance.
 - b. The cost of the program at Minnesota, not counting director's salary, is \$25,000.

B. These facts tend to show that if Illinois had the facilities, it would far outdistance other schools.

V. Proposals for Extending Intramural and Recreational Programs.

- A. Provision should be made for wives of student veterans.
- B. Provision should be made for atypical students.
- C. Provision should be made for wider faculty participation.
- D. Provision should be made for wider graduate student participation.
- E. Provision should be made for unorganized or pick-up teams.
- F. Provision should be made for co-recreation, competitive and non-competitive.
- G. Provision should be made for showing sport films for both intramural and recreational sports.

VI. Expansion Needs

A. Need additional buildings, building facilities and fields

1. Buildings
 - a. Gyms should be opened at 1 p.m. on Sundays
2. Building facilities
 - a. One additional swimming pool for co-recreation
 - b. Adequate shower facilities to take care of increased facilities

and our discussions a number of interesting topics.

of members. Each will add his or her voice and vision and help to build a better, more informed, and more effective community.

Argon-40 ages are to be related to Archaean ages and to determine the effect of different models of crustal evolution on the ages and the corresponding $\delta^{34}\text{S}$ values.

should be paid attention to when writing and also not afraid to do so.

Vol. 10, No. 1, Jan. 1973. Printed in U.S.A. 50c

- c. Bowling alleys -- 8 available -- need 24
- d. Wrestling room -- room in Gym Annex will do when no longer used for housing

3. Fields and courts

- a. New badminton courts -- 12-20 needed
- b. Archery field
- c. Golf course - 18 hole
- d. Softball, touch football and soccer (120 x 80) -- a playing area equal to the old Parade Ground.

B. Need additional facilities

	<u>On Hand</u>	<u>Additional Needs</u>
1. Basketball courts	5	15
2. Handball courts	12-15	12-15
3. Shuffleboard courts	2	10-12
4. Squash rackets	0	6
5. Table tennis tables	3	25
6. Trampolines	2	2-3
7. Volleyball courts	2	15

C. Need Additional Personnel

- 1. Three graduate student assistants
- 2. More officials
- 3. Man with a slip assignment to control use of tennis and handball courts
- 4. Coordinator should be provided for putting present facilities to best use. Janitors often have the door locked when teams want to practice.

D. Additional intramural tournaments

- 1. Code ball
- 2. Paddle tennis
- 3. Softball and touch football in fall.
 - a. Change policy of some tournaments:
 - (1) Round robin tournaments
 - (2) Should conduct sports such as swimming, wrestling, table tennis, etc., on a team basis instead of meet basis

E. Additional co-recreation

- 1. Similar to Turkey Run
- 2. Fencing
- 3. Paddle tennis
 - a. Committees already formed
 - (1) Volleyball
 - (2) Badminton
 - (3) Tennis
 - (4) Swimming
 - (5) Golf
 - (6) Bowling

F. Additional games for faculty

- 1. Court ball

It is not an obligation to make a will, but it is a good idea to do so, especially if you have a family or dependents.

1.2.2.5. *Signs of the times*

After the H_2O_2 was added, the reaction mixture was heated to 50°C for 10 min. The reaction mixture was then cooled to room temperature and the product was isolated by the same procedure as described above. The yield of $\text{KZ} = 40.0\%$ and the GPC analysis showed that the molecular weight of the polymer was 10,000.

G. Re-organized and additional programs

1. Graduate students should be organized on both formal and informal basis
2. Summer program should be improved
3. Program for honoraries, churches, and foundations

H. Additional publicity

I. Increased use of present facilities

1. Perhaps the Women's Gym could be used more for intramural and recreational sports
2. More fields should be made available
 - a. The grounds in front of the Agriculture Building are large enough for one football field
 - b. The grounds in front of the Stock Pavilion might be made available
 - c. The football field in front of the Women's Gym and possibly the field in back could be used
 - d. There is a large plot of ground belonging to the University next to the President's home. This ground is large enough for two football fields; however, it needs work done on it to put it into playable condition.
3. Perhaps championship games could be played on the quadrangle.
4. Use of rough fields now used for Stadium parking.

J. Location of new areas

1. The Twin Cities are planning a new municipal golf course. Perhaps the University would do well to join with them in laying out a good (primarily as to adequate size, so that present faults of our nine-hole course would be eliminated) 18-hole course. That would leave the present course for leveling and laying out of IMREC playing fields.
2. More IMREC office space should be provided. There is needed:
 - a. A meeting room for all IMREC meetings -- also to be private office of IMREC Director
 - b. An office room where all executive work and filing will be done.
 - c. A general work room, which will be used by the lesser managers and which will be open to the public.

ANNUAL REPORTS ON INSTITUTIONS OF HIGHER EDUCATION, AND
REPORTS ON HIGHER-EDUCATIONAL INSTITUTIONS
AND OTHER HIGHER-EDUCATIONAL INSTITUTIONS OF

TECHNICAL INSTITUTIONS,
TECHNICAL COLLEGES, AND

TECHNICAL SCHOOLS, TO THE GOVERNMENT OF

THE INSTITUTIONS WHICH HAVE BEEN APPROVED AS INSTITUTIONS OF

TECHNICAL EDUCATION.

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WOMEN'S ATHLETIC ASSOCIATION

Virginia Chamberlin

PART I. PROGRAM NOW IN OPERATION

Activities Conducted (Sports)	Date of Season	Frequency of Meetings	Length of Meetings	Number of Entrants	Number of Entrants Completing Sports**	Facilities Used
<u>General</u>	1946-1947					
Fld. Hockey	9/30-11/4	MWS	1 hr.	67	44	Fld. Women's Gym
Bowling	10/3-11/5	TT	2 hrs.	60	56	Union Building
Volleyball	11/11-1/8	MWS	1 hr.	58	41	N and S Gym, Women's Gym
Table Tennis	11/11-12/13	MWS	3 out of 5 games	12	7	Women's Gym
Apparatus	11/12-12/19	TT	1 hr.	32	19	S. Gym, Women's Gym
Basketball	2/10-4/2	MWS	2 hrs.	70	44	Lower Gym, Bevier Hall
Badminton	2/11-3/25	TT	1 hr.	35	26	S. Gym, Women's Gym
Archery	4/7-5/17	MWS	1 hr.	26	20	Fld. East Women's Gym
Softball	4/7-5/19	TTS	1 hr.	37	17	Courts, Women's Gym
Tennis	4/7-5/14	MW	1 hr.	12	5	Fld. East Women's Gym
Terrapin	1946-1947	T and Show Practice	1 hr. swim.	Selected	51	Pool, Bevier Hall
Orchesis	1946-1947	T and Show Practice	1 hr. meeting	Selected	22	S. Gym, Women's Gym
<u>Interhouse</u>	1946-1947	T and Show Practice	1 hr. dance meeting			
Soccer	10/1-10/28	TTS	1 hr.	40	27	Fld. East Women's Gym
Swimming Mt.	9/24-11/20	Rec. Time	1 1/2 hr.	29	17	Pool, Bevier Hall
Basketball	10/30-1/8	TTS	1 hr.	--	73	Lower Gym, Bevier Hall
Badminton	11/11-12/16	MW	1 hr.	29	21	Lower Gym, Bevier Hall
Volleyball	11/11-4/1	TTS	1 hr.	99	72	Lower Gym, Bevier Hall
Bowling	2/13-3/27	TTM	1 line	104	97	Union Building
Softball	4/8-5/20	TTS	1 hr.	76	62	Fld. East Women's Gym
<u>General</u>	1947-1948					
Hockey	10/13-11/19	MWS	1 hr.	29	26	Fld. East Women's Gym

**Entrants must complete a specified number of practices and participate in a tournament for credit toward a Major I sports letter.

General and Individual - Any woman student in the University may participate in these sports.

Interhouse Sports - Interhouse competition includes all sorority and independent houses of twenty or more girls.

AND THE FRENCH PEOPLE

PART II. DESIRED EXPANSIONS OR NEW DEVELOPMENTS

Existing Program:

Faculty Wives Class -

Thursday, 7 to 9, Lower Gym of Bevier Hall and Pool

Activities -

Conditioning Exercises

Badminton

Swimming

New Program Not Yet in Operation:

Co-recreation

Men's and Women's Departments

Desired Expansions and Additions:

1. A full-time staff member trained in recreation.

To take care of:

A. Recreation for the whole campus

- (1) Students
- (2) Faculty
- (3) Faculty Wives
- (4) Veterans Wives
- (5) Nonacademic group

B. Help in the training of students in recreational leadership

C. Contact and help develop community recreation program in Urbana-Champaign

2. One more basketball court for the women.

At present the women have one basketball court.

Basketball is the most popular team sport offered in the recreational program, and the present facilities do not take care of the number who wish to participate.

COMBINATORIAL

1. ~~Each time I go to the store I buy some of 7 different~~
~~items. How many different ways can I buy them?~~

ANSWER:
1. ~~7 different items~~
7 different
combinations
of 7 items

~~2. I have 7 different colored marbles.~~

~~How many different ways can I line them up?~~

~~ANSWER:
7 different ways~~

3. ~~I have 7 different colored marbles. I want to line them up in a row.~~

~~How many ways can I do this?~~

~~ANSWER:
7 ways~~

ANSWER:
7 ways
7 ways
7 ways
7 ways
7 ways
7 ways

4. ~~I have 7 different colored marbles. I want to line them up in a row.~~

~~How many ways can I do this?~~

~~ANSWER:
7 ways~~

5. ~~I have 7 different colored marbles. I want to line them up in a row.~~
How many ways can I do this?

Virginia Horne

PART I. Program Now in Operation

Activity	Frequency of Meeting	Length of Meeting	Length of Season	Number of Students	Facilities Used
Recreational Swimming*	Daily	4:45 - 5:30 p.m. (45 min.)	Entire Year	Varies from 3 to as high as 37	Beverly Hall Pool
Recreational Swimming*	3 times per week	Wed. 8-9 p.m. Thur. 7:30-9 p.m. Sat. 10-11:30 a.m.	Entire Year	Varies from 2 to as high as 32	Beverly Hall Pool
Guppie Club* (A swimming club where less skilled swimmers may work on skills for Terrapin try-outs.)	1 time per week	Wed. 7-8 p.m. (1 hour)	Entire Year	Average of 15 to 20 girls per meeting	Beverly Hall Pool
Terrapin Club (A swimming club for advanced swimmers who have passed the entrance tests.)	1 time per week	Business meeting - 1 hour Swimming Practice - 1 hour	Entire Year	56	Beverly Hall Pool
Terrapin Club Water Show Practice	3 times per week	1 hour	March and April	56	Beverly Hall Pool
Terrapin Club Water Show Dress Rehearsal and Production	Daily	2 hours	One week prior to "Mother's" week-end	56	Huff Pool
W.A.--Terrapin Intramural Swimming Meet	1 practice per week	30 min.	7 weeks in the fall	Varies from 16 to 76	Beverly Hall Pool

*Open to any student, faculty member, nonacademic staff member, or faculty wife who has paid the necessary fee and secured a heart card.

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PART II. Desired Expansions or New Developments.

A. Additional swimming activities that could or should be offered.

1. Instructional classes for academic and nonacademic staff members and faculty wives.
2. A diving club limited to those students who are interested in spring board diving. This activity would necessarily be limited due to lack of diving facilities.
3. A competitive swimming program for the more highly skilled student. In this activity the following items could be stressed:
 - a. Racing starts
 - b. Racing turns
 - c. Perfection of speed strokes
 - d. Endurance
 - e. Training

As a culmination of this program, sports' days with other colleges could be sponsored.

- *4. An officials rating practice period. This would offer the student the opportunity of working toward either a local or national swimming officials rating as set forth by the Women's National Officials Rating Committee of the National Section of Women's Athletics of the National Association of Health, Physical Education and Recreation.

**(This activity would undoubtedly have more appeal for the major student in physical education than for the average college student.)*

5. A life guards' club. This activity would offer opportunity for development of the following:
 - a. Life saving techniques
 - b. Work with small craft
 - c. Opportunity to get experience in the women's pool during recreational swimming periods.
6. A co-recreational synchronized swimming club.

B. Limitations as to time and space that at the present time would limit the expansion of the recreational swimming program.

1. The pool in Bevier Hall is used for swimming classes 6 to 8 hours daily.
2. The University High School uses the pool every Saturday morning during the year. In the spring when preparing for their water show the pool is used more frequently.
3. Due to the present system of "make-ups" used in the women's swimming classes, the recreational periods now offered are necessary. If this were not so, some of the suggested activities in "A" under Part II could be offered.

C. New facilities needed for expansion.

1. A new pool for the women students.
 - a. Regulation as to length, width, and depth. (The present pool does not meet these standards.)
 - b. A minimum of two regulation diving boards with adjustable fulcrums. This would preclude adequate water depth and head clearance.
 - c. Dressing rooms so planned as to accomodate both men and women under sanitary conditions.
 - d. Adequate spectator galleries and space for production of water shows.

DANCE

Margaret Mains

Part I. Programs Now in Operation

1. Orchesis

Any student or staff member may try out. At present there are 34 members. Throughout the school year meetings are held each Wednesday evening, 7:15 to 9:30 p.m. in the south room of the Women's Gymnasium.

2. Junior Orchesis

Any interested students or staff are accepted without try-outs. This group organized in November, 1947 meets weekly on Thursday from 8 to 9:30 p.m. in south room of the Women's Gymnasium.

3. Square Dance

Any interested students or staff. Tuesday evening, 7:30 to 8:30 for beginners, 8:30 to 9:30 advanced. Held every week except during exam week and directly before vacation periods. Attendance from 75 to 100. Held in 314 Union Building during regular year and in South Room, Women's Gymnasium, during first eight week summer session.

4. Demonstration square dance group

Sixteen persons hold bi-monthly meeting in the Upper Gym of Bevier Hall to perfect square dance. This group then performs at University functions such as Club Commons, Plow Boy Prom, church student center entertainments.

PART II. Desired Expansion.

The number of participants in Tuesday evening Square Dance at the Union, Room 314, warrants the use of a larger hall. It is recommended that the Union Ballroom be used for this purpose as soon as possible.

THE BUDGET AND EXPENSES, 1910.

Amounts in £.

With regard to laying the base for the revenue, it is to be observed that
some £5000 has been spent upon the new hall and the new hall is to be used
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Amounts in £.

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THE BUDGET AND EXPENSES, 1911.

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March 17, 1948

Professor C. S. Staley
107 Huff Gymnasium

Dear Professor Staley:

In response to your request I submit the following sketchy statement of my personal opinion in connection with facilities for recreation for faculty and graduate students.

One must first separate the faculty into categories because the kind of recreation desired will vary with age, single or married status, children in family, etc.

One must divide the problem into four major heads.

- (1) Facilities furnished by the University.
- (2) Facilities furnished by the home.
- (3) Facilities furnished by the community.
- (4) Vacation activities.

Each major head must be further divided into indoor and outdoor facilities and these into active and passive forms of recreation.

To begin with (1) facilities furnished by the University.

Indoor

Active

Gymnasium
Handball
Squash
Swimming
Volley ball
Bowling
Ice skating
etc.

Passive

Faculty lounge and smoking room in each building
Bridge
Reading Rooms
Concerts
Lectures
Exhibits
Sports Spectators

Outdoors

Active

Tennis
Golf
Horse shoe courts
Soft ball
(Large area away from campus for camping, hiking, picnics, swimming, skating.)

Passive

Display gardens between campus buildings, with seats
Other garden displays
Campus planting
Sports spectators

1000, 1100

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regularly monitor and

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material, including

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(2) Facilities furnished by the home.

Indoor

Active

Recreation Room games

Passive

General entertaining
Bridge
Games
Reading

Outdoors

Active

Lawns and gardens
Play space for games

Passive

Barbecue
Gardens
Sitting

(3) Facilities furnished by community.

Indoor

Active

Community Buildings
YMCA - YWCA
Bowling
Roller Skating
Games
Swimming

Passive

Movies
Sports spectators

Outdoors

Active

Play-fields with space for all sorts
of sports
Golf courses - public and private
County Forest Preserve Areas
Picnics, hiking, all water sports,
boating, skating, swimming.
Camping
Gun Clubs - trap shooting

Passive

Auto riding
Park benches and gardens
Sports spectators
Fishing

(4) Vacation activities

These will vary with the desires and economic status of the faculty and may take many different forms, both active and passive. For many members of the faculty practically all the active recreation they obtain is that which they get during vacation periods.

I presume that while your committee is interested in all possible sources of recreation for the faculty you are primarily interested in those activities about which the University should be concerned and for which it should be directly responsible.

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1920-1921

1. *Chlorophytum comosum* (L.) Willd. (Fig. 1)

1996-02-22

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CHAP. 1. - *Introduction*

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— 100 —

二〇〇〇年六月

• १३१ • १०५

1940-1941

ANSWER TO THE CHIEF QUESTIONS

and the 1930s. The 1930s were a period of significant political and social change in the United States, with the Great Depression and the New Deal. The 1930s were also a period of significant technological and scientific progress, with the development of the atomic bomb and the first transatlantic flight.

I have listed only the most obvious activities and the list is not intended to be complete. I would like to discuss, briefly, some of these facilities.

There comes to mind first the much discussed Faculty-Graduate Student Center. Without going into too much detail, may I say that I see this Center primarily as a Club-house with food service, lounging rooms, library, card rooms, billiard room, games room, rather than as a building that would provide bowling and other active recreation facilities; which latter should be made available in other areas.

A building for even that much activity, for a group of five to six thousand people, would probably cost six million dollars at present prices.

In my opinion there is considerable merit in the proposal set forth by Larry Norton, namely that there should be a lounge-smoking room in each of our major academic buildings where, perhaps, afternoon coffee would be available.

There is, of course, at present a serious lack of space for outdoor activities. Present proposals to create a new golf course, if paralleled by an intensive development of the area now used for golf into facilities for outdoor sports, will do much to relieve that condition.

There should, however, be a plan to provide recreation activities of both sorts on the campus proper. The greatest deterrent to developing such a program immediately is our temporary housing - which may be with us for some years.

Much can be done, however, while we wait for these temporary housing areas to be cleared.

There are spaces between buildings which might be developed as gardens, with shaded seats. Display gardens, large and small, and systematic large scale plantings to beautify the campus would do much to increase passive forms of recreation.

More attention should be given to incorporating recreational facilities into present and future plans for faculty and graduate student housing; both for adults and children. The minimum, acceptable standard should provide a play ground for children and badminton, volley ball and horse-shoe courts for adults.

In general, areas for faculty recreation should be relatively small and decentralized rather than large and centralized. I trust that the foregoing rather sketchy statement meets your needs.

Very truly yours,

O. G. Schaffer

indicated on the left and the right (top) surface. These are the upper and lower primary and secondary rows of teeth, respectively, of the right upper 2nd molar of a 10-year-old male.

the 1990s, the U.S. and the European Union have been the main drivers of the global economy.

introduced into the market. The company is not, however, able to compete with established companies in the market, which is dominated by foreign companies.

However, you would be wise to take advantage of a planning technique that could help you to reduce the tax bite on your inheritance. This is a process of planning known as "step-up in basis" that can greatly reduce the tax bite on your inheritance.

Individual patients might not have an absolute contraindication, and so can benefit.

According to the author of the book, spiritualized material things can affect people's behavior and actions. This book is aimed at helping readers to realize that the material world is not the only reality, and that there is also a spiritual world that can be experienced through the study of philosophy and spirituality.

population. Another important element of early self-help activities was the gradual increase in the number of people who would volunteer their services and money. Many individuals in the community would go to the stores and buy supplies for the relief efforts, and others would contribute money.

April 2, 1948

Director S. C. Staley
School of Physical Education
108 Huff Gym

Dear Director Staley:

After John Boyer of this office attended the March 11 meeting of the Committee on Facilities for Campus Recreation, this subject was presented to the members of the Employee Council representing all nonacademic employees on the Urbana campus in order that their opinions and thoughts might be obtained on the matter.

There was general agreement in the Council that much more could be done than was now being done to provide recreational and social activity facilities for the somewhat over 2000 nonacademic employees on this campus and I believe that the opinion of the Committee was strongly in favor of all possible improvement in this field.

Certain special items were mentioned as follows:

1. More bowling alley capacity, the lack of which now discourages formation of employee leagues which could be made very popular.
2. Encouragement for employee participation on University golf course, present as well as future.
3. Better promotion and availability of present facilities for tennis and swimming.
4. Promotion of softball leagues during outdoor season.
5. General gym facilities including instruction, physical improvement, volleyball league, handball, and things of that sort.
6. Social dancing, including square dances.
7. Group instruction in bridge, pinochle, and other card games and more opportunity for frequent parties for the card players.

I recognize fully the responsibility of this office in doing more than has been done in this field, and we are going to do what we can do within our present staff and fund limitations. I know that all concerned, however, will be very glad to have the overall assistance of your committee in its planning and recommendations.

Yours very truly,

Donald E. Dickason
Director

DED:lm

which is to measure
different angles to each
other but

which is to measure

and finally will be within 12 hours and therefore within the month will receive
a series of observations and therefore each observation will be within 12 hours of
another and the error from this will be small. And so it will not be
less than 12 hours or 1200 minutes and the error must therefore be

less than 12 hours and as there will be about 100 observations the error
will not exceed 1200 minutes. This is the error of each angle and
as this is about 1200 minutes or 12 hours each angle will have an
error of about 12 hours or 1200 minutes and the error of
the angle will be 1200 minutes or 12 hours.

Similarly as you have done now. Except instead
of measuring the angle to the sun, measure the angle to the moon and the error
will be the same as the error of the angle to the sun.

Thus the error of the angle to the moon will be 1200 minutes or 12 hours.

Now the error of the angle to the moon will be 1200 minutes or 12 hours.

Thus a single angle except that the angle of
the angle to the moon will be 1200 minutes or 12 hours
and the angle to the sun will be 1200 minutes or 12 hours.

Thus the angle to the sun will be 1200 minutes or 12 hours
and the angle to the moon will be 1200 minutes or 12 hours.

Thus and each error period is shorter than the 1200 minutes and the angle of
the angle to the sun will be 1200 minutes or 12 hours and the angle to the moon
will be 1200 minutes or 12 hours and the angle to the sun will be 1200 minutes or 12 hours.

Thus each error

is shorter than
1200 minutes.

APPENDIX B

Campus facilities currently used
for recreational purposes

CAMPUS RECREATIONAL FACILITIES

<u>Place</u>	<u>Size</u>	<u>Activity</u>
<u>Huff Gym</u> Main Floor (Room 100)	205' x 145'	Varsity-Freshman Basketball Basketball Badminton Deck and paddle tennis Apparatus stunts
Special Exercise Room (Room 75)	50' x 30'	Body-building exercises Boxing
Weight Lifting Room (Basement)	75' x 30'	Weight lifting
Handball and Squash Courts (16)	Each 18' x 32'	Handball Squash Tennis volley practice
Swimming Pool	Room 100' x 40' Pool 75' x 25' 1,000 seats	Varsity-Freshman Swimming Recreational Swimming Co-recreational Swimming (6 times per week)
Upstairs Gym (Room 302)	130' x 55'	Basketball Table tennis Shuffleboard Handball Volleyball Badminton Tennis practice
Room 300	55' x 50'	Body-building exercises Apparatus stunts
<u>Men's Old Gym</u> Main Floor	160' x 100'	Varsity-Freshman Gymnastics Tumbling stunts Apparatus activities Table tennis Volleyball Badminton Co-recreational acrobatics (2 nights per week)
Balcony	Running track (Corner exercise areas)	Body-building exercises Weight lifting Boxing Running Shuffleboard
Wrestling Room	60' x 50'	Wrestling
Swimming Pool	75' x 25'	Recreational swimming Co-recreational swimming (5 nights per week)

<u>Place</u>	<u>Size</u>	<u>Activity</u>
<u>Old Gym Annex</u>		
Main Floor	175' x 110'	(Housing men students)
Lounge	70' x 60'	Relaxation Cards Eating snacks Entertaining
<u>Skating Rink</u>		
Main Floor	200' x 150'	(Housing men students)
Lounge	40' x 30'	Relaxation Cards Table tennis Entertaining
<u>Stadium Hall</u>		
Main Floor	300' x 60'	(Housing men students)
Lounge	70' x 40'	Relaxation Cards Entertaining
<u>Tennis Courts</u>		
Library courts	6 courts	Tennis
Varsity courts	6 courts	Tennis
Stadium (East) (West)	7 courts 7 courts	Tennis Tennis
Skating rink courts	5 courts	Tennis
Women's Gym courts	6 courts	Tennis
<u>Playing Fields (Men)</u>		
Huff Gym (2 fields)	205 x 140 yds. 300 x 200 yds.	Softball Touch football Soccer Volleyball
Archery Range	120 x 40 yds.	Archery
Stadium	200 x 80 yds.	Varsity football Varsity-Freshman track
<u>Stadium Fields</u>		
#1	120 x 100 yds	Varsity football
#2	120 x 100 yds.	Freshman football Touch football Softball

Section	Method	Result
1. <i>General</i>	1. <i>General</i>	2. <i>General</i>
2. <i>Chemical</i>	3. <i>Chemical</i>	4. <i>Chemical</i>
3. <i>Physical</i>	5. <i>Physical</i>	6. <i>Physical</i>
4. <i>Biological</i>	7. <i>Biological</i>	8. <i>Biological</i>
5. <i>Electrical</i>	9. <i>Electrical</i>	10. <i>Electrical</i>
6. <i>Optical</i>	11. <i>Optical</i>	12. <i>Optical</i>
7. <i>Thermal</i>	13. <i>Thermal</i>	14. <i>Thermal</i>
8. <i>Acoustical</i>	15. <i>Acoustical</i>	16. <i>Acoustical</i>
9. <i>Electromagnetic</i>	17. <i>Electromagnetic</i>	18. <i>Electromagnetic</i>
10. <i>Gravitational</i>	19. <i>Gravitational</i>	20. <i>Gravitational</i>
11. <i>Relativistic</i>	21. <i>Relativistic</i>	22. <i>Relativistic</i>
12. <i>Quantum</i>	23. <i>Quantum</i>	24. <i>Quantum</i>
13. <i>Information</i>	25. <i>Information</i>	26. <i>Information</i>
14. <i>Computational</i>	27. <i>Computational</i>	28. <i>Computational</i>
15. <i>Statistical</i>	29. <i>Statistical</i>	30. <i>Statistical</i>
16. <i>Stochastic</i>	31. <i>Stochastic</i>	32. <i>Stochastic</i>
17. <i>Fractal</i>	33. <i>Fractal</i>	34. <i>Fractal</i>
18. <i>Complex</i>	35. <i>Complex</i>	36. <i>Complex</i>
19. <i>Nonlinear</i>	37. <i>Nonlinear</i>	38. <i>Nonlinear</i>
20. <i>Chaos</i>	39. <i>Chaos</i>	40. <i>Chaos</i>
21. <i>Fractals</i>	41. <i>Fractals</i>	42. <i>Fractals</i>
22. <i>Chaos</i>	43. <i>Chaos</i>	44. <i>Chaos</i>
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42. <i>Chaos</i>	83. <i>Chaos</i>	84. <i>Chaos</i>
43. <i>Fractals</i>	85. <i>Fractals</i>	86. <i>Fractals</i>
44. <i>Chaos</i>	87. <i>Chaos</i>	88. <i>Chaos</i>
45. <i>Fractals</i>	89. <i>Fractals</i>	90. <i>Fractals</i>
46. <i>Chaos</i>	91. <i>Chaos</i>	92. <i>Chaos</i>
47. <i>Fractals</i>	93. <i>Fractals</i>	94. <i>Fractals</i>
48. <i>Chaos</i>	95. <i>Chaos</i>	96. <i>Chaos</i>
49. <i>Fractals</i>	97. <i>Fractals</i>	98. <i>Fractals</i>
50. <i>Chaos</i>	99. <i>Chaos</i>	100. <i>Chaos</i>

<u>Place</u>	<u>Size</u>	<u>Activity</u>
#3	120 x 100 yds.	150 lb. football Softball Touch football
#4	225 x 100 yds.	Touch football Softball
#5	100 x 100 yds.	Touch football Softball
Illinois Field	300 x 140 yds 440 yd. track Field event facilities	Varsity-Freshman Baseball High School football Touch football Softball Running and field activities Sunbathing
Golf Course	9 holes	Golf
<u>Women's Gym</u>		
North Gym	75' x 65'	Dancing Volleyball
South Gym	75' x 65'	Apparatus stunts Badminton
Fencing Room	100' x 35'	Fencing
Lounge	60' x 50'	Social activities Entertaining
Recreation Room	80' x 50'	Table tennis Table croquet Shuffleboard Darts Quoits and horseshoes
Individual Gymnastic	30' x 30'	Developmental exercises
<u>Playing Fields (Women)</u>		
Women's Gym (2 fields)	100 x 75 yds. 125 x 125 yds.	Soccer Softball Field hockey Archery Golf practice
<u>Veterans Recreation Center</u>		
Nursery	25' x 15'	Nursery activities
Hobby Shop	25' x 15'	Craft activities
<u>Women's Building</u>		
Downstairs Gym	100' x 75'	Basketball Volleyball Badminton

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<u>Place</u>	<u>Size</u>	<u>Activity</u>
Upstairs Gym	80' x 50'	Volleyball Badminton Square dancing Folk dancing
Swimming Pool	75' x 24'	Swimming
<u>Main Library</u>		
Reading Rooms		
Browsing Room	30' x 30'	Reading
Freshman Reading Room	30' x 30'	Reading
<u>Lincoln Hall</u>		
Theatre	778 seats	45 plays per season
<u>Gregory Hall</u>		
Theatre	456 seats	20 plays per season
<u>Smith Memorial</u> (Music)	1038 seating capacity	Concert orchestra Repertory orchestra Sinfonietta A Capella choir University Chorus Men's Glee Club Women's Glee Club Freshman Glee Club Combined Glee Club Opera Work Shop
Record Rooms (2 rooms)	20' x 15' 20' x 15'	Playing phonograph records Playing phonograph records
Band Building		Concert Band First Regimental Band Second Regimental Band
<u>Union Building</u>		
Gothic Room	30' x 19'	Eating Relaxation
Federal Room	32' x 16'	Eating Relaxation
Tavern	60' x 37'	Eating Relaxation
Commons	80' x 49'	Eating Dancing
Bowling Alley	104' x 54' 8 alleys	Bowling

<u>Place</u>	<u>Size</u>	<u>Activity</u>
Terrace (Outside)	68' x 31'	Relaxation Visiting Reading
Main Lounge	72' x 52'	Visiting Relaxation Reading
Wedgwood Lounge	52' x 35'	Visiting Relaxation Reading
Pine Lounge	52' x 48'	Visiting Relaxation Reading
Browsing Room	36' x 24'	Reading
Colonial Room	49' x 38'	Eating
Private Dining Room	24' x 15'	Eating
Billiard Room	50' x 54'	Billiards
Committee Room (112)	18' x 15'	Meetings
Committee Room (124)	18' x 11'	Meetings
Faculty Lounge	47' x 38'	Visiting Relaxation Reading Meetings
General Lounge	59' x 22'	Record Concerts
Committee Room (209)	27' x 20'	Meetings
Committee Room (211)	27' x 15'	Meetings
Committee Room (213)	27' x 16'	Meetings
Committee Room (215)	27' x 15'	Meetings
Committee Room (217)	27' x 16'	Meetings
Main Ballroom	112' x 53'	Dancing
Third Floor Ballroom	76' x 65'	Dancing Meetings
Student Activities Division		Business Affairs
Room 317 - Lounge	23' x 15'	Meetings

<u>Place</u>	<u>Size</u>	<u>Activity</u>
<u>Men's Dormitories</u> Clark Hall Lounge	60' x 40'	Radio dances Relaxation Entertaining Cards Piano playing
Game Room	40' x 40'	Table tennis Picnics
Dining Room		Orchestra dances
<u>Busey Hall</u> Main Lounge		Relaxation Entertaining Cards
Recreation Room	40' x 15'	Cards Table tennis Informal dances
<u>Evans Hall</u> Main Lounge		Cards Entertaining
Recreation Room	40' x 30'	Cards Table tennis

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APPENDIX C

Student recreation questionnaire
and tabulated results

UNIVERSITY OF ILLINOIS
STUDENT RECREATION QUESTIONNAIRE

This questionnaire is sponsored by a committee appointed by the President to study University recreational conditions. The purpose of the questionnaire is to discover the nature and extent of student participation and interests in recreational (leisure time) activities.

In responding, study questionnaire briefly, then answer the first column completely then the second column, etc. In cases of overlapping activities (example, canoeing and fishing) check and respond for each. In case of doubt make the best possible estimate. Do not include University class activities or assignments.

Check the appropriate item:

Male	<input type="checkbox"/>	Female	<input type="checkbox"/>
Single	<input type="checkbox"/>	Married	<input type="checkbox"/>
Freshman	<input type="checkbox"/>	Sophomore	<input type="checkbox"/>

Fraternity	<input type="checkbox"/>	Non-fraternity	<input type="checkbox"/>
Sorority	<input type="checkbox"/>	Non-sorority	<input type="checkbox"/>
Junior	<input type="checkbox"/>	Senior	<input type="checkbox"/>

	Check activi- ties you have engaged in during past 2 semesters--on campus, in Cham.-Urbana or in country	Indicate how many times you par- ticipated (example 1.5.12, 40, etc.)	Indicate where you participated (ex- ample, Union Bldg., Fraternity, Wesley Foundation, home, etc.)	Check activi- ties you would engage in (or engage in more) if given opportunity. Check maxi- mum of ten.
<u>Arts and Crafts</u>				
Ceramic Work				
Crocheting				
Drawing				
Knitting				
Lapidary Work				
Leather Work				
Metal Work				
Painting				
Photography				
Sewing				
Woodwork				
Other				
<u>Cultural activities</u>				
Attend exhibitions (art, flower, etc.)				
Attend lectures				
Attend plays				
Attend Star Course				
Attend music hour				
Attend informal concerts (band, etc.)				
Read books				
Read magazines				
Read newspaper				
Other				

<u>Dramatic Activities</u>	
Acting	
Play writing	
Production crews	
Variety shows, etc.	
Dance (Orchesis)	
Other	
<u>Music Activities</u>	
Band	
Choir	
Informal group singing	
Orchestra	
Play instrument for own enjoyment	
Play phonograph records	
Other	
<u>Social Activities</u>	
Ballroom dancing	
Square dancing	
Card parties	
Checkers	
Chess	
Mixed parties	
Organ. house activities (Frat, Soro, Dorm)	
Honor. Society activities	
Club activities	
Student mgr. activities	
Teas	
Other	
<u>Acrobatics (gymnastics)</u>	
Apparatus stunts	
Circus stunts	
Tumbling	
General Exercise	
Other	
<u>Athletic Games</u>	
Badminton	
Baseball	
Basketball	
Billiards	
Bowling	
Field Hockey	
Football	
Golf	
Handball	
Horseshoes	
shuffleboard	
Soccer	
Softball	
Squash	
Table Tennis	
Tennis	
Touch Football	
Volleyball	
Other	

<u>combative Contests</u>			
Boxing			
Fencing			
Wrestling			
Other			
<u>Country Sports</u>			
Bicycling			
Camping			
Canoeing			
Fishing			
Hiking			
Horseback riding			
Hunting			
Outings			
Picnicking			
Other			
<u>Individual Athletics</u>			
Archery			
Ice Skating			
Rifle shooting			
Roller skating			
Swimming			
Track and field			
Weight lifting			
Other			
<u>Miscellaneous</u>			
Attend movies			
Attend sports events			
Bird watching			
Collect objects (stamps, etc.)			
Gardening			
Journalism (reporting, editing, etc.)			
Writing (poetry, short stories, etc.)			
Radio (announcing, acting, etc.)			
Listen to radio			
Participate in organized debates			
Participate in organized discussion groups			
Sunbathing			
Other			

What additional recreational facilities (rooms, buildings, halls, courts, grounds, areas, fields, outing lodge, etc.) should the University provide. This might include an expansion of existing facilities or new facilities.

1. _____ 2. _____ 3. _____ 4. _____

**RECREATIONAL PARTICIPATION AND INTERESTS
AS REPORTED BY 3038 STUDENT RESPONDENTS**

Male	1992	Fraternity	650	Freshman	1422
Female	1146	Non-fraternity	1203	Sophomore	1122
Single	2941	Sorority	551	Junior	382
Married	150	Non-sorority	661	Senior	196

Number of persons who reported par- ticipating in in- dicated activity	Percentage of total respondents	Average number of participa- tions	Number of persons who reported they would engage in (or engage in more) indicated activity if given opportun- ity
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Arts and Crafts

Ceramic work	11	.4	28.8	99
Crocheting	19	.6	16.	53
Drawing	153	5.	24.2	221
Knitting	198	6.5	22.3	256
Lapidary work	36	1.2	30.2	27
Leather work	16	.5	9.	125
Metal work	18	.6	17.	113
Painting	143	4.7	12.9	159
Photography	395	13.	18.4	616
Sewing	169	5.6	18.2	193
Woodwork	86	2.9	10.9	199

Cultural Activities

Attend exhibitions	504	16.6	3.5	116
Attend lectures	1094	36.	6.2	371
Attend plays	1160	38.2	3.8	586
Attend Star Course	889	29.3	3.9	534
Attend music hour	458	15.1	9.4	345
Attend informal concerts	1389	45.8	3.6	417
Read books	1739	57.2	17.6	527
Read magazines	1712	56.5	29.2	308
Read newspapers	1932	63.6	114.3	241

Dramatic Activities

Acting	132	4.3	5.4	288
Play writing	43	1.4	3.7	77
Production crews	271	8.9	7.	163
Variety shows, etc.	338	11.1	3.5	248
Dance (Orchesis)	49	1.6	9.	128

Music Activities

Band	77	2.5	55.4	101
Choir	152	5.	23.3	209
Informal group singing	828	27.3	30.2	255
Orchestra	37	1.2	43.8	67
Play own instrument	346	11.4	42.3	225
Play phonograph records	1084	35.7	49.7	341

	Number of persons who reported par- ticipating in in- dicated activity	Percentage of total number of respondents	Average number of participa- tions	Number of persons who reported they would engage in (or engage in more) indicated activity if given opportun- ity
Social Activities				
Ballroom dancing	1428	47.	17.2	569
Square dancing	331	10.9	6.1	191
Card parties	711	23.4	21.6	209
Checkers	227	7.5	11.6	47
Chess	178	5.9	10.4	98
Mixed parties	1087	35.8	14.8	357
Org. house activities	980	32.3	14.9	157
Honor society activities	287	9.4	6.3	71
Club activities	399	13.1	20.5	145
Student mgr. activities	149	4.9	33.	104
Teas	544	17.9	4.7	37
Acrobatics (Gymnastics)				
Apparatus stunts	117	3.9	21.6	85
Circus stunts	28	.9	20.3	37
Tumbling	114	3.8	19.3	112
General exercises	573	18.9	41.1	162
Athletic Games				
Badminton	291	9.6	12.7	308
Baseball	683	22.5	14.8	308
Basketball	832	27.4	19.1	453
Billiards	535	17.6	13.2	189
Bowling	1021	33.6	9.9	572
Field hockey	27	.9	13.7	51
Football	185	6.1	24.7	144
Golf	384	12.6	10.9	526
Handball	384	12.6	19.8	134
Horseshoes	267	8.8	16.6	123
Shuffleboard	140	4.6	7.9	87
Soccer	228	7.5	16.1	69
Softball	824	27.1	14.9	294
Squash	41	1.3	16.7	24
Table tennis	1087	35.8	26.	403
Tennis	843	27.7	12.8	686
Touch football	504	16.6	17.	124
Volleyball	680	22.1	15.3	261
Combative Contests				
Boxing	95	3.1	15.4	94
Fencing	39	1.3	16.3	136
Wrestling	246	8.1	12.8	107

	Number of persons who reported par- ticipating in in- dicated activity	Percentage of total number of respondents	Average number of participa- tions	Number of persons who reported they would engage in (or engage in more) indicated activity if given opportun- ity
<u>Country Sports</u>				
Bicycling	949	31.2	10.7	431
Camping	161	5.3	5.1	358
Canoeing	132	4.3	3.4	525
Fishing	207	6.8	8.	409
Hiking	441	14.5	7.9	273
Horseback riding	343	11.3	6.5	655
Hunting	174	5.7	9.8	260
Outings	316	10.4	6.7	206
Picnicking	1210	39.8	4.9	482
<u>Individual Athletics</u>				
Archery	71	2.3	17.9	209
Ice skating	289	9.5	7.6	594
Rifle shooting	259	8.5	12.6	306
Roller skating	281	9.2	6.8	278
Swimming	1002	33.	18.1	652
Track and field	190	6.3	13.3	66
Weight lifting	260	8.6	19.9	80
<u>Miscellaneous</u>				
Attend movies	2206	72.6	27.8	314
Attend sports events	1830	60.2	19.9	375
Bird watching	90	3.	9.1	28
Collect objects	118	3.9	18.2	36
Gardening	106	3.5	12.1	50
Journalism (reporting)	133	4.4	47.6	83
Writing (poetry-stories)	131	4.3	14.8	97
Radio (announcing-acting)	60	2.	27.5	148
Listen to radio	1589	52.3	84.7	222
Participate in debates	82	.2	17.5	79
Discussion groups	194	6.4	12.5	106
Sunbathing	790	26.	10.5	380

ADDITIONAL RECREATIONAL FACILITIES UNIVERSITY SHOULD PROVIDE
AS REPORTED BY 3038 STUDENT RESPONDENTS

Archery range	25	Lounges - more small ones	10
Artificial lake	56	Movies - more	11
Athletic fields	118	Movies - outdoor	8
Auditorium - new	39	Movies - foreign	16
Badminton courts	40	Music hour - more	10
Bait and fly casting facilities	6	Obstacle course	1
Beer garden	4	Outing lodge	238
Baseball diamonds	16	Parks	22
Ballroom - larger	22	Piano practice rooms - more	4
Band building - new	6	Picnic grounds	135
Basketball courts - outdoor	19	Radio club room	3
Bicycle paths	5	Record rooms	21
Billiards - more	34	Recreational facilities	8
Boating and canoeing	29	Recreation hall	64
Bowling alleys - more	294	Rifle range	89
Camping facilities	41	Roller rink	113
Card room	12	Shuffleboard courts	9
Concerts	8	Softball diamond - more	35
Concerts - outdoor	5	Speeches - places to practice	1
Concert hall	2	Sports palace	29
Coffee shops - more	22	Stock pond	13
Coed recreation center	18	Sunbathing facilities	38
Croquet courts	3	Sunlamps	2
Dance studio	17	Swimming - more facilities	229
Dancing places - more	77	Swimming pool - outdoor	290
Dancing - places for square	7	Swimming pool in women's gym	20
Darkroom	10	Table tennis room	134
Field house	129	Tennis courts - more	705
Field trips	6	Tennis - practice board	1
Fields - lighted	27	Tennis courts - clay	3
Golf course	238	Tennis courts - lighted	27
Golf - miniature	6	Theatre - more	12
Golf driving range	9	Trap shooting (skeet) range	3
Gymnasia for basketball	153	Union Building - larger	23
Gymnasia - more	96	Volleyball courts	12
Handball courts - outdoor	9	Volleyball courts - outdoor	1
Handball courts - more	11	Youth hostel	1
Handicraft room (hobby shop)	28	Y.M.C.A.	100
Hiking trails	2	Washing machine facilities	3
Horseback riding	324	Weight lifting facilities - more	5
Horseshoe courts	2	Wrestling room	1
Ice rink	531		
Indoor track	2		









UNIVERSITY OF ILLINOIS-URBANA



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